LITTLE RIVER GLEN STANDBY GENERATOR

4001 BARKER CT FAIRFAX, VIRGINIA 22032

ELECTRICAL GENERAL NOTES GENERAL NOTES THE GENERAL CONTRACTOR AND ALL MAJOR SUBCONTRACTORS ARE REQUIRED TO VISIT THE JOB SITE 1. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70-2008 & APPLICABLE LOCAL CODES. THE PRIOR TO SUBMISSION OF BID; OTHERWISE BID WILL NOT BE ACCEPTED. MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED AS REQUIRED. ALL MATERIALS, AS A MINIMUM, SHALL BE NEW AND THE CONTRACTOR SHALL ENSURE THAT THE WORK SHALL BE DONE IN ACCORDANCE WITH ALL RULES, REGULATIONS AND APPLICABLE CODES. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS 2. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, CERTIFICATES OF INSPECTION, ETC. REQUIRED BY THE REQUIRED FOR THE WORK AND WILL OBTAIN AND PAY FOR ALL REQUIRED INSPECTIONS DURING THE 3. THE CONTRACTOR SHALL SUBMIT SIX (6) SETS OF SHOP DRAWINGS AND/OR MANUFACTURER'S LITERATURE. FOR ALL 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND REQUIRED TO VISIT THE AREAS ENTAILED WITHIN EQUIPMENT AND MATERIAL PROPOSED FOR INSTALLATION, TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL THE SCOPE OF WORK, VERIFY DIMENSIONAL DATA, AND REVIEW THE EXISTING CONDITIONS BEFORE PRIOR TO RELEASING AN ORDER FOR FABRICATION AND/OR SHIPMENT. EQUIPMENT AND MATERIAL INCLUDED SHALL BE ITEMS PROCEEDING WITH THE WORK. ANY CONFLICTS WITH THE EXISTING CONDITIONS SHALL BE BROUGHT SUCH AS, BUT NOT LIMITED TO, SERVICE EQUIPMENT, GENERATOR, AUTOMATIC TRANSFER SWITCHES, LIGHTING AND POWER IMMEDIATELY TO THE ARCHITECT'S ATTENTION. SWITCHES, DISCONNECTS, PANELBOARDS, BREAKERS, LIGHTING FIXTURES, OUTLET DEVICES, WIRING AND CONDUIT, ETC. 4. THE CONTRACTOR SHALL PROVIDE PROTECTION TO ALL EXISTING FINISHES AND SHALL BE RESPONSIBLE CONTRACTOR SHALL PROVIDE ALL SUPERVISION, LABOR, MATERIALS, EQUIPMENT, MACHINERY, AND ANY AND ALL FOR REPAIR OF ANY DAMAGES CAUSED BY HIM OR HIS SUBCONTRACTORS. REPAIR AND/OR CLEAN ANY OTHER ITEMS NECESSARY TO COMPLETE THE SYSTEM. IT IS THE INTENT OF THESE PLANS AND DOCUMENTS TO PROVIDE A DAMAGED SURFACES, INCLUSIVE OF CARPET, USING PROCESSES RECOMMENDED BY THE MANUFACTURER TO COMPLETELY FINISHED, TESTED, AND OPERATIONAL ELECTRICAL SYSTEM. ANY APPARATUS, APPLIANCE, MATERIAL, AND/OR THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. REPLACE ANY FINISHES WHERE CLEANING OR INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND READY FOR OPERATION. EVEN IF NOT REPAINTING HAS FAILED TO SATISFACTORILY RESTORE APPEARANCE. COMPLETELY SHOWN, SHALL BE FURNISHED, DELIVERED AND INSTALLED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE 5. THE CONTRACTOR SHALL SET AND SUPERVISE ALL SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK THROUGHOUT THE PROJECT. 5. THE CONTRACTOR AND SUB-CONTRACTORS ARE PRESUMED TO BE EXPERIENCED AND KNOWLEDGEABLE OF INSTALLATION PRACTICES AND LOCAL CODE REQUIREMENTS. EACH SHALL MAKE KNOWN TO THE OWNER'S REPRESENTATIVE, WITH THE 6. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE REMOVAL OF ALL DEBRIS FROM THE SUBMISSION OF HIS BID. OF ANY MATERIALS OR APPARATUS BELIEVED TO BE INADEQUATE. UNSUITABLE. IN VIOLATION OF SITE ON A DAILY BASIS. AND TO KEEP THE CONSTRUCTION SITE CLEAN AND FREE FROM ANY APPLICABLE LAWS, ORDINANCES, OR RULES, AND OF ANY NECESSARY ITEMS OF WORK OMITTED. IN THE ABSENCE OF SUCH OBSTRUCTIONS AT ALL TIMES. THE CONTRACTOR SHALL ALSO STORE ALL TOOLS, CONSTRUCTION WRITTEN NOTICE. IT IS MUTUALLY AGREED THAT THE CONTRACTOR AND HIS SUB-CONTRACTORS HAS INCLUDED THE COST EQUIPMENT, MACHINERY, SURPLUS MATERIALS, ETC. DAILY AND REMOVE THEM COMPLETELY AT THE OF ALL REQUIRED ITEMS IN THEIR BID, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROVED COMPLETION OF WORK. SATISFACTORY FUNCTIONING OF THE ENTIRE SYSTEM WITHOUT EXTRA COMPENSATION.

9. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL APPLY, BRANCH CIRCUIT WIRING IN POWER ROOM AND IN EQUIPMENT AREA SHALL BE IN RIGID CONDUIT OR EMT WITH INSTALL, CONNECT, ERECT, USE, CLEAN AND CONDITION MANUFACTURED ARTICLES, MATERIALS, AND COMPRESSION FITTINGS. CONDUIT INSTALLED ON THE EXTERIOR OF THE BUILDING SHALL BE RGC IF EXPOSED AND PVC IF EQUIPMENT PER MANUFACTURER'S CURRENT PRINTED RECOMMENDATIONS. ALL PRODUCTS, MATERIALS, AND BURIED, UNLESS OTHERWISE NOTED. PROVIDE LIQUID TIGHT FLEXIBLE CONDUIT FOR ALL CONNECTIONS TO MECHANICAL EQUIPMENT AND EQUIPMENT THAT VIBRATES. EQUIPMENT PROVIDED ON THIS PROJECT SHALL BE SUITABLE FOR THE INTENDED SERVICE AND LOCATION 8. THE CONTRACTOR SHALL CONSULT DRAWINGS OF ALL OTHER TRADES FOR RELATED AND ADJOINING WORK AND COORDINATE INSTALLATION INTERFERENCES PRIOR TO ANY INSTALLATION OF MATERIAL. THE CONTRACTOR SHALL DEVELOP 10. THE CONTRACTOR SHALL PROTECT ALL WORK AND MATERIAL FROM DAMAGE BY HIS WORK, WORKMAN, INSTALLATION DRAWINGS, AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS, EQUIPMENT AND SYSTEMS NEW SUBCONTRACTOR'S WORK OR SUBCONTRACTOR'S WORKMAN AND SHALL BE LIABLE FOR ALL DAMAGE THUS AND EXISTING. NO ADDITIONAL COMPENSATION WILL BE AWARDED FOR REMOVAL OF NEW MATERIAL, EQUIPMENT OR SYSTEMS THAT HAS NOT BEEN COORDINATED PRIOR TO INSTALLATION. 11. ALL MATERIALS SUPPLIED FOR THIS CONTRACT SHALL BE FREE FROM DEFECTS IN MATERIAL, 9. THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT PURPORT TO SHOW ALL MATERIAL NECESSARY FOR A COMPLETE AND WORKMANSHIP, TITLE, AND SHALL BE OF THE TYPE AND QUALITY DESCRIBED HEREIN. IF IT BECOMES USEABLE SYSTEM. THE CONTRACTOR SHALL PROVIDE ALL MATERIAL NECESSARY FOR A COMPLETE USABLE SYSTEM AND SHALL

APPARENT WITHIN ONE YEAR FROM THE DATE OF ACCEPTANCE OF FINAL COMPLETION BY THE OWNER THAT BE RESPONSIBLE FOR APPROVAL OF WORK BY THE AUTHORITY HAVING JURISDICTION. THE MATERIALS DO NOT MEET THE WARRANTIES SPECIFIED ABOVE, THE CONTRACTOR SHALL CORRECT ANY DEFECT, INCLUDING NON-CONFORMANCE WITH THESE SPECIFICATIONS AT NO COST. 10. THE CONTRACTOR SHALL PROVIDE AND INSTALL BRACES/SUPPORTS REQUIRED FOR HIS WORK.

7. NORMAL FUNCTIONS OF THE OCCUPIED AREAS WITHIN THE SCOPE OF WORK AS WELL AS ADJACENT

AREAS MUST CONTINUE DURING THE CONSTRUCTION PHASES. EVERY EFFORT SHALL BE MADE TO INSURE

SUCH FUNCTIONS ARE NOT DISRUPTED. SCHEDULE ANY WORK WHICH MAY BE REQUIRED IN OCCUPIED

AREAS DURING UNOCCUPIED HOURS AND OBTAIN PRIOR APPROVAL BY THE OWNER'S REPRESENTATIVE.

8. THE WORD "PROVIDE" SHALL BE DEFINED AS "FURNISH AND INSTALL COMPLETE AND READY TO USE."

12. THE CONTRACTOR SHALL SECURE CERTIFICATES OF INSPECTION AND OF OCCUPANCY AS MAY BE 11. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR WITH ALL CIRCUITS IAW NFPA 70 ARTICLE 250 WHETHER SHOWN OR REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER THE WORK AND DELIVER SAME TO THE OWNER NOT ON THE PLANS. ADJUST FEEDER AND BRANCH CIRCUIT RACEWAY SIZE IF REQUIRED. UPON COMPLETION OF THE WORK.

12. VERIFY EQUIPMENT LOCATIONS FOR ELECTRICAL ROUGH-INS WITH OWNER/USER REPRESENTATIVE, FIELD MEASUREMENTS AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED. CONFLICTS WITH OTHER EQUIPMENT AND FEATURES SHALL BE RESOLVED PRIOR TO BEGINNING INSTALLATION.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING AND SEALING ANY AND ALL PENETRATIONS TO THE INTERIOR

MAINTAINED. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AS REQUIRED FOR NECESSARY PENETRATIONS. IN

7. UNLESS OTHERWISE NOTED, ALL WIRING, CONDUIT, & CABLE SHALL BE INSTALLED CONCEALED IN OFFICE AREAS. ALL

OR EXTERIOR OF THE BUILDING AS A RESULT OF HIS WORK. IN SUCH MANNER THAT THE DESIGN FIRE RATING IS

THE ABSENCE OF ARCHITECTURAL SPECIFICATIONS, PENETRATIONS SHALL HAVE A TWO (2) HOUR FIRE RATING AND BE

13. WHERE MOUNTING HEIGHTS ARE NOT DETAILED OR DIMENSIONED, COORDINATE WITH OWNER'S REPRESENTATIVE. INSTALL ELECTRICAL SERVICES AND OVERHEAD EQUIPMENT TO PROVIDE MAXIMUM HEADROOM POSSIBLE.

14. COORDINATE THE INSTALLATION OF ELECTRICAL MATERIALS AND EQUIPMENT ABOVE CEILING WITH SUSPENSION SYSTEM, MECHANICAL EQUIPMENT AND SYSTEMS, AND STRUCTURAL COMPONENTS. 15. IN GENERAL, THE WORD "PROVIDE" MEANS TO FURNISH AND INSTALL.

16. ALL EQUIPMENT LUGS SHALL BE U. L. LISTED FOR 75 DEGREE C. FOR COPPER CONDUCTORS. WHERE EQUIPMENT IS

NOT LISTED AS SUCH ADJUST CONDUCTOR AMPACITY IAW NFPA 70 ARTICLE 310, TABLE 16.

17. ANY BRANCH CIRCUIT REQUIRING A NEUTRAL SHALL BE PROVIDED WITH ITS OWN NEUTRAL. NO COMMON NEUTRAL

18. THE CONTRACTOR SHALL PROVIDE CONNECTIONS FOR ALL ELECTRICAL EQUIPMENT INSTALLED ON THIS PROJECT. CONNECTIONS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND/OR CONSISTENT WITH INDUSTRY PRACTICE. PROVIDE INSULATED BUSHINGS WITH "SMOOTH, ROUNDED INSULATING SURFACES" WITH DOUBLE LOCKNUTS FOR ALL CONDUITS LARGER THAN ONE INCH ENTERING PANELBOARDS, BOXES, OR OTHER ENCLOSURES.

ABBREVIATIONS

A AF AFG AT AWG	AMPERE AMPERE, FRAME RATING ABOVE FINISHED GRADE AMPERE, TRIP RATING AMERICAN WIRE GAUGE
BKR BLDG BTC	BREAKER BUILDING BARE TINNED COPPER
C CKT CND COP,CU CT	CONDUIT CIRCUIT CONDUIT COPPER CURRENT TRANSFORMER
DISC DWG	DISCONNECT DRAWING
ELEC	ELECTRIC
FDR FLA FSS	FEEDER FULL LOAD AMPS FUSED SAFETY SWITCH
GFI G, GND HP HZ	GROUND FAULT INTERRUPTER GROUND (ING) (ED) HORSE POWER HERTZ
IAW JB JUNC KAIC KW KWHR	IN ACCORDANCE WITH JUNCTION BOX JUNCTION KILO—AMPERE INTERRUPTING CAPACITY KILOWATT KILOWATT HOUR
LTG	LIGHTING
MCA MCB MFC MGB MLO MOP MTD MTR	MINIMUM CIRCUIT AMPACITY MAIN CIRCUIT BREAKER MAXIMUM FUSE/CKT BKR AMPACITY MASTER GROUND BAR MAIN LUGS ONLY MINIMUM OVERCURRENT PROTECTION MOUNT (ED) (ING) METER (S) (ED) (ING)
N N\L NFSS NTS	NEUTRAL NIGHT LIGHT (UNSWITCHED) NON FUSED SAFETY SWITCH NOT TO SCALE
OPD OVHD	MAXIMUM OVERCURRENT PROTECTION DEVICE SIZE OVERHEAD
P PH, Ø PNL	POLE PHASE PANEL

POWER

SERV ENTR SERVICE ENTRANCE

UTILITY

SWBD

UTIL

RECEPTACLE

SWITCHBOARD

UNLESS OTHERWISE NOTED

WIRE SIZE AMPACITY WEATHERPROOF

TRANSFORMER

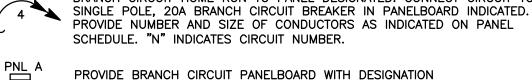
DRAWING INDEX

00/CD CLIEFT			RE	VIS	101	1
COVER SHEET	1	2	3	4	5	6
T1 TITLE SHEET, GENERAL NOTES, & DRAWING INDEX						
		+	-			
PLUMBING						
P1 PROPOSED GAS PIPING PLAN AND RISERS						
ELECTRICAL						
E1 SCHEDULES AND DETAILS						
E2 RISER DIAGRAMS						
E3 FLOOR PLANS						

SYMBOL LIST

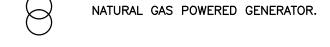
BRANCH CIRCUIT HOME RUN TO PANEL DESIGNATED. CONNECT CIRCUIT TO

DISCONNECT SWITCH (FSS = FUSIBLE, NFSS = NONFUSIBLE) POWER RATING, VOLTAGE AND POLES REQUIRED AS INDICATED ON EQUIPMENT SCHEDULE. GENERATOR REMOTE MANUAL STOP STATION.



MOLDED CASE CIRCUIT BREAKER, RATINGS SHALL BE AS INDICATED. WHERE NOT INDICATED PROVIDE IAW INTENDED REQUIREMENTS.

FUSED DISCONNECT SWITCH, RATINGS FRAME AND FUSE SIZE AS INDICATED. WHERE NOT INDICATED PROVIDE IAW INTENDED REQUIREMENTS.



POLE AUTOMATIC TRANSFER SWITCH WITH STAND ALONE ENCLOSURE, WITH RATINGS AS INDICATED ON THE ONE LINE DIAGRAM SHEET E1.

3 POLE, 2-THROW, 250V SWITCH

EXISTING POWER COMPANY APPROVED CURRENT AND POTENTIAL TRANSFORMER ENCLOSURE.

EXISTING POWER COMPANY APPROVED METER SOCKET.

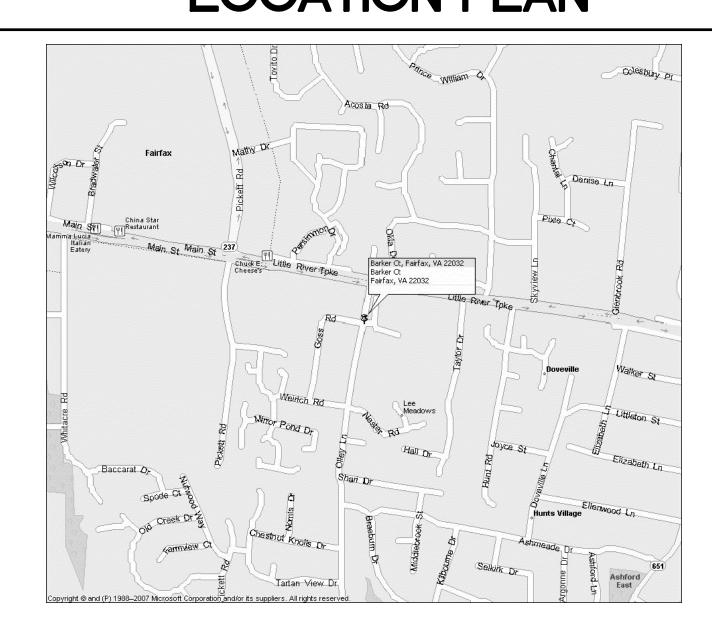
SEE NOTE ON SHEET WHERE SYMBOL OCCURS.

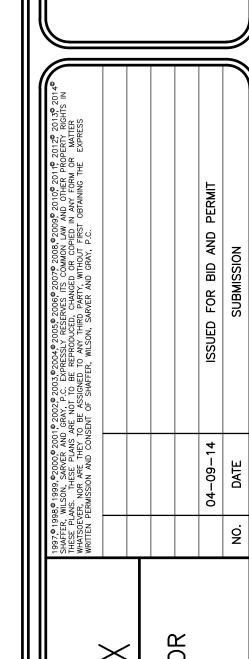
INDICATES EXISTING DEVICES, EQUIPMENT OR COMPONENTS TO REMAIN, U.O.N.

INDICATES EXISTING DEVICES, EQUIPMENT OR COMPONENTS TO BE RELOCATED, U.O.N.

INDICATES EXISTING DEVICES, EQUIPMENT OR COMPONENTS TO BE REMOVED, U.O.N.

LOCATION PLAN





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OF 1

J0B#13-068

PLUMBING GENERAL NOTES

THE SCOPE OF THIS WORK CONSISTS OF FURNISHING AND INSTALLING COMPLETE PLUMBING SYSTEMS. THE CONTRACTOR SHALL PROVIDE ALL SUPERVISION, LABOR, MATERIALS, EQUIPMENT, MACHINERY, AND ALL OTHER ITEMS NECESSARY TO COMPLETE THE SYSTEM. IT IS THE INTENT OF THESE PLANS AND DOCUMENTS TO PROVIDE COMPLETELY FINISHED, TESTED, AND OPERATIONAL SYSTEMS. ALL APPARATUS, APPLIANCES, MATERIALS, AND INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND READY FOR OPERATION, SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER. THE TERM "PROVIDE" WHERE USED IN THESE SPECIFICATIONS AND ON THE DRAWINGS. SHALL BE DEFINED AS PURCHASE, FABRICATE, INSTALL AND CONNECT TO THE SYSTEMS AS STATED

2. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE, THE INTERNATIONAL CODES, NFPA, AND OTHER STATE AND LOCAL REGULATIONS. THE MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED AS REQUIRED. ALL EQUIPMENT SHALL BE NEW AND U.L. LISTED.

3. THE PREMISES WILL REMAIN OCCUPIED DURING THE COURSE OF THIS PROJECT. THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE OCCUPANT'S AND LANDLORD'S REPRESENTATIVES. REFER TO THE INSTRUCTIONS TO BIDDERS AND GENERAL TERMS AND CONDITIONS OF THE CONTRACT FOR AVAILABLE WORKING HOURS.
TAKE PRECAUTIONS TO INSURE THAT THE PREMISES ARE NOT ADVERSELY AFFECTED BY THE WORK. PROTECT ALL ADJACENT SURFACES, EQUIPMENT, FURNITURE, AND OTHER ITEMS IN THE AREA OF THE WORK. PROVIDE FIVE (5) DAYS WRITTEN NOTICE TO THE OWNER'S REPRESENTATIVE FOR ANY OWNER EQUIPMENT THAT MUST BE RELOCATED TO ACCOMMODATE THE WORK. CLEAN THE WORK AREA AFTER EACH DAILY WORK SESSION AND RESTORE THE AREA TO A CLEAN AND USEABLE CONDITION.

4. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND PAY ALL FEES NECESSARY FOR THE EXECUTION AND COMPLETION OF THIS WORK.

THE CONTRACTOR SHALL COOPERATE WITH OTHERS DOING WORK ON THE BUILDING AS MAY BE NECESSARY FOR THE PROPER EXECUTION OF THE WORK OF THE VARIOUS TRADES EMPLOYED IN THE CONSTRUCTION OF THE BUILDING. THE CONTRACTOR SHALL OBTAIN A COMPLETE AND CURRENT SET OF PLANS AND SPECIFICATIONS FOR THIS PROJECT. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL, STRUCTURAL, CIVIL AND ELECTRICAL DRAWINGS TO THE END THAT UNNECESSARY DELAYS MAY BE AVOIDED. NO EXTRAS WILL BE ALLOWED BECAUSE OF CONFLICTS CAUSED BY THE USE OF INCOMPLETE OR OUTDATED PLANS AND

6. THE DATA GIVEN HEREIN AND ON THE DRAWINGS IS AS EXACT AS CAN BE SECURED: BUT THE ABSOLUTE ACCURACY IS NOT GUARANTEED. THE SPECIFICATIONS AND DRAWINGS ARE FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR. EXACT LOCATION, DISTANCES, AND LEVELS WILL BE GOVERNED BY THE BUILDINGS. THE CONTRACTOR SHALL USE THE DATA CONTAINED WITH THIS UNDERSTANDING. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION AND WORK OF OTHER CONTRACTOR WILL PERMIT. ALL DEVIATIONS FROM DRAWINGS REQUIRED TO MAKE THE PLUMBING WORK CONFORM TO THE BUILDING AS CONSTRUCTED AND TO THE WORK OF OTHERS SHALL BE MADE BY THE CONTRACTOR.

7. THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT THE BUILDINGS AND SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF SAME. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF DIFFERENCES BETWEEN WORK SHOWN ON THE DRAWINGS AND MEASUREMENTS AT THE BUILDING.

B. ALL WORK AND MATERIALS COVERED BY THE SPECIFICATIONS SHALL BE SUBJECT TO INSPECTION AND, AT ALL TIMES, BY REPRESENTATIVES OF THE ARCHITECT, ENGINEER, OR THE OWNER. IF THE ARCHITECT'S, ENGINEER'S, OR OWNER'S INSPECTOR FIND THAT ANY MATERIAL DOES NOT CONFORM TO THESE SPECIFICATIONS, THE CONTRACTOR SHALL, WITHIN 3 DAYS AFTER BEING NOTIFIED BY THE ARCHITECT, ENGINEER, OR OWNER, REMOVE THE MATERIAL FROM THE PREMISES. IF SAID MATERIAL HAS BEEN INSTALLED, THE ENTIRE EXPENSE OF REMOVING AND REPLACING SAME, INCLUDING ALL CUTTING AND PATCHING THAT MAY BE NECESSARY, SHALL BE

9. THE CONTRACTOR SHALL REMOVE ALL MATERIALS NOT INSTALLED IN THEIR WORK WHICH WOULD INTERFERE WITH THE WORK OF OTHER CONTRACTOR, IF SO DIRECTED BY THE ARCHITECT, ENGINEER, OR THE OWNER. AT THE COMPLETION OF THE WORK, THE CONTRACTOR SHALL CLEAN UP AND REMOVE FROM THE PREMISES ALL DEBRIS AND MATERIALS NOT INSTALLED SO THAT THE PREMISES WILL BE LEFT CLEAN.

10. UPON COMPLETION OF THE WORK AND ADJUSTMENT OF ALL EQUIPMENT, ALL SYSTEMS SHALL BE TESTED IN THE PRESENCE OF THE ARCHITECT AND ENGINEER TO DEMONSTRATE THAT ALL EQUIPMENT FURNISHED AND INSTALLED UNDER THE PROVISIONS OF THESE SPECIFICATIONS FUNCTIONS IN THE MANNER REQUIRED.

11. THE CONTRACTOR SHALL LEAVE ALL SYSTEMS IN PROPER WORKING ORDER AND SHALL, AT THEIR EXPENSE, REPLACE ALL WORK, MATERIAL, AND EQUIPMENT FURNISHED BY THEM WHICH DEVELOP DEFECTS WITHIN ONE YEAR FROM THE DATE OF ACCEPTANCE. DELIVER ALL WARRANTY CERTIFICATES TO THE OWNER PRIOR TO FINAL

12. THE CONTRACTOR SHALL DEMOLISH, DISASSEMBLE, AND REMOVE FROM THE PREMISES ALL EXISTING EQUIPMENT AND MATERIAL AS INDICATED THAT IS NOT BEING REUSED AND BECOMING PROPERTY OF THE OWNER. THE CONTRACTOR SHALL LEGALLY DISPOSE OF SUCH EQUIPMENT AND MATERIAL IN ACCORDANCE WITH LOCAL

13. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND BECOME INFORMED AS TO THE EXISTING CONDITIONS OF THE PREMISES. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL EXISTING SYSTEMS AND WITH THE NEW WORK THAT IS REQUIRED. NO CONSIDERATION WILL BE GRANTED FOR ALLEGED MISUNDERSTANDING OF THE WORK THAT IS TO BE DONE. ANY DIFFICULTIES IN COMPLYING WITH THE DRAWINGS OR SPECIFICATIONS, OR QUESTIONS OF CLARIFICATION, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE

14. THE CONTRACTOR SHALL COORDINATE ALL GAS PIPING WORK WITH THE LOCAL GAS COMPANY. COORDINATE SIZE, LOCATION, HOUSE PRESSURE AND CAPACITY OF GAS METER AND GAS PIPING PRIOR TO FABRICATION OR INSTALLATION OF ANY GAS FIRED SYSTEMS. PROVIDE AUXILIARY GAS REGULATORS FOR 2 PSI SYSTEMS IN ACCORDANCE WITH THE GAS COMPANIES RECOMMENDATIONS. PROVIDE SHUT-OFF VALVES AT ALL GAS CONNECTIONS TO EQUIPMENT. PROVIDE 6" DIRT LEG AT ALL INDOOR GAS CONNECTIONS.

15. PROVIDE SHUT-OFF VALVES AT ALL GAS CONNECTIONS TO PLUMBING FIXTURES AND EQUIPMENT.

16. WHERE THE DRAWINGS INDICATE CONNECTIONS AND COORDINATION WITH EXISTING UTILITIES, ABOVE AND BELOW THE FLOOR OR GRADE, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT LOCATION, TYPE, SIZE, INVERTS, CAPACITY, AND COMPATIBILITY OF EXISTING UTILITIES THROUGH ACTUAL FIELD MEASUREMENTS AND INVESTIGATIONS AT THE JOB SITE PRIOR TO FABRICATION OR INSTALLATION OF ANY PIPING AND EQUIPMENT. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY IF SIGNIFICANT DEVIATION FROM THE PLANS ARE DISCOVERED. THE CONTRACTOR SHALL ADHERE TO ALL APPLICABLE NOTIFICATION LAWS PRIOR TO ALL DIGGING OPERATIONS.

17. THE CONTRACTOR SHALL OBTAIN AND ADHERE TO THE LANDLORD'S "RULES AND REGULATIONS FOR CONSTRUCTION". THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL LANDLORD REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, ALLOWABLE WORKING HOURS, PARKING, CORE DRILLING, NOISE, SECURITY, FREIGHT ELEVATOR USAGE, FLOOR LOADING, DUST CONTROL, TRASH REMOVAL, STAGING AREAS, STORAGE OF MATERIALS, CLEANUP, TOILET AVAILABILITY, ALL TEMPORARY UTILITIES, AND ALL UTILITY SERVICE INTERRUPTION. THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE LANDLORD'S DESIGNATED REPRESENTATIVE.

18. DEVELOP AND SUBMIT COORDINATION DRAWINGS FOR ALL PLUMBING SYSTEMS PRIOR TO FABRICATION OR INSTALLATION OF ANY MATERIAL AND EQUIPMENT. REFER TO THE PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

19. REFER TO THE ELECTRICAL DRAWINGS FOR THE VOLTAGE AND PHASE REQUIREMENTS FOR ALL ELECTRICALLY POWERED PLUMBING EQUIPMENT.

20. SHOP DRAWINGS: THE CONTRACTOR SHALL PROVIDE SIX SETS OF SHOP DRAWINGS AND PRODUCT LITERATURE FOR THE FOLLOWING PLUMBING EQUIPMENT AND

GAS PIPING SYSTEMS

21. OPERATION AND MAINTENANCE MANUALS: THE CONTRACTOR SHALL PROVIDE OPERATION AND MAINTENANCE (O/M) MANUALS FOR ALL PLUMBING EQUIPMENT LISTED BELOW. ALL O/M MANUALS SHALL BE BOUND IN A THREE-RING BINDER. THE CONTRACTOR SHALL PREPARE TWO COMPLETE SETS OF O/M MANUALS AND DELIVER TO THE OWNER'S REPRESENTATIVE PRIOR TO FINAL ACCEPTANCE OF THE WORK.

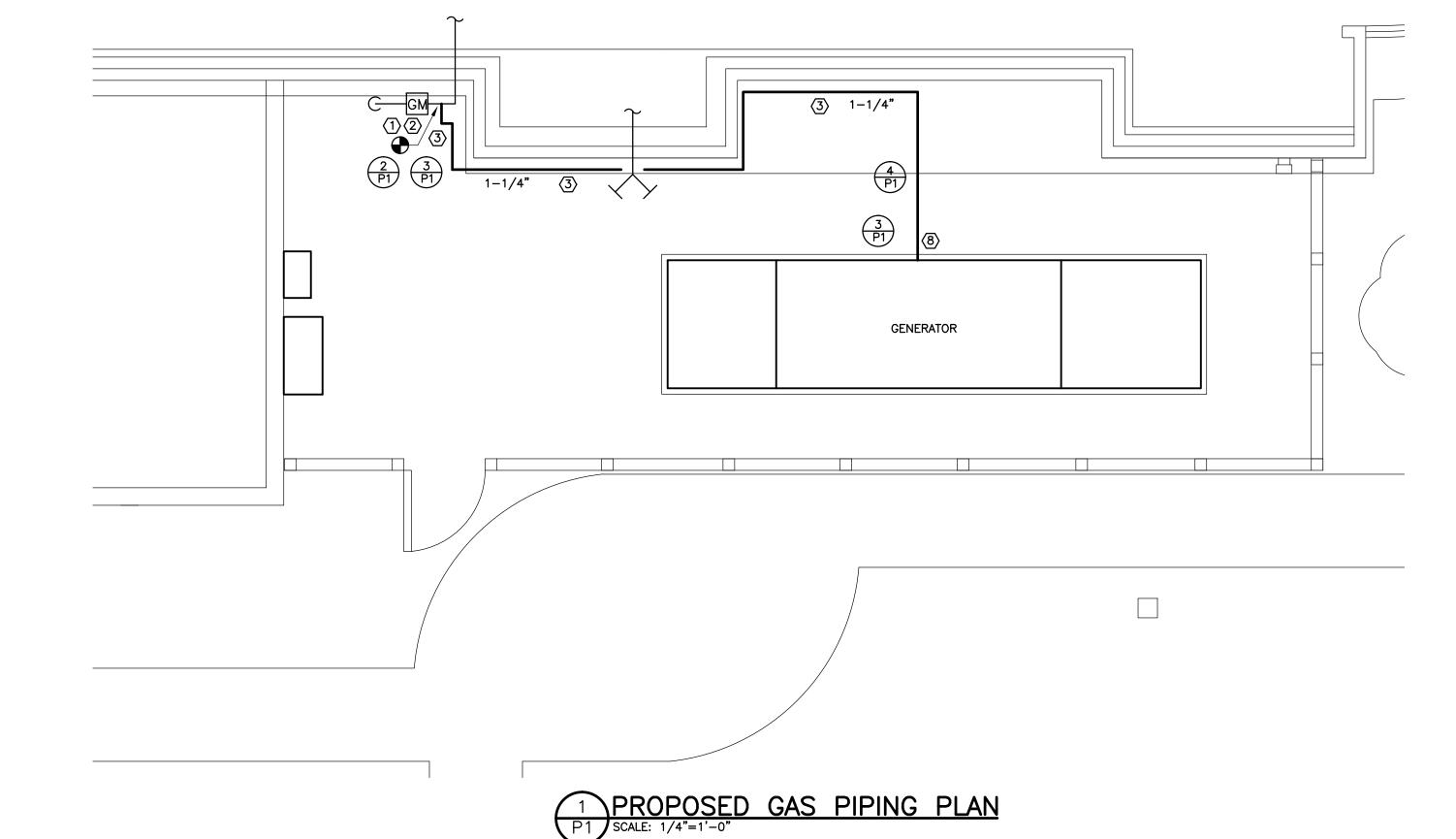
22. AS-BUILT DRAWINGS: DURING PROGRESS OF THE WORK, MAINTAIN AN ACCURATE RECORD OF THE INSTALLATION OF THE SYSTEM, LOCATING ALL PIPING AND EQUIPMENT PRECISELY BY DIMENSION. UPON COMPLETION OF THE INSTALLATION, TRANSFER ALL RECORD DATA TO BLUE-LINE PRINTS OF THE ORIGINAL DRAWINGS.

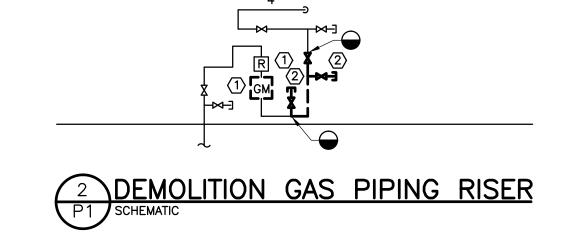
LEGEND

ENDPOINT OF DEMOLITION	$lue{egin{array}{c}}$
CONNECT NEW TO EXIST	•
NATURAL GAS	G
SERVICE VALVE	$-\!-\!$
STRAINER	7
UNION	——————————————————————————————————————
GAS REGULATOR	R
DUCT, DIFFUSER, OR PIPE TO BE DEMOLISHED	├
NEW DUCT, DIFFUSER, OR PIPE	
PIPE ELBOW DOWN	←——
PIPE ELBOW UP	\leftarrow
PIPE TEE DOWN	\leftarrow
PIPE TEE UP	\leftarrow

ADDDE\/IATIONS

<u>ABB</u>	<u>REVIATIONS</u>
CFH CFM	CUBIC FEET PER HOUR CUBIC FEET PER MINUTE EXISTING NATURAL GAS PIPING GAS METER GAS WATER HEATER WATER HORSEPOWER IN ACCORDANCE WITH 1,000 BTU/HR NOT APPLICABLE NOT IN CONTRACT NOMINAL PIPE SIZE PRESSURE DROP
RTU	ROOF TOP UNIT
RTU TON	
TYP	12,000 BTU/HR TYPICAL
UNO	UNLESS NOTED OTHERWISE

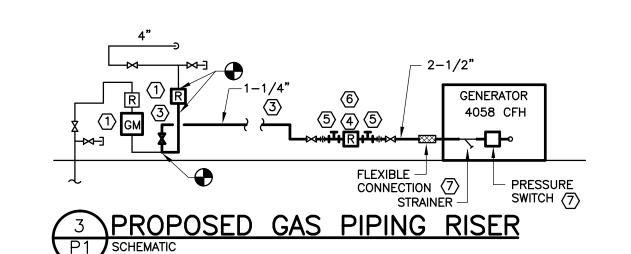




PROVIDE B-LINE

VIBRA CUSHION

AROUND PIPE -



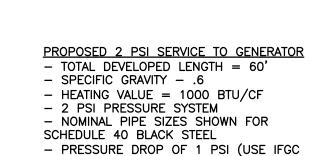


TABLE 402.4(3))

LOW PRESSURE SERVICE FROM REGULATOR TO GENERATOR (2 PSI OR

- TOTAL DEVELOPED LENGTH = 10' SPECIFIC GRAVITY - .6 - HEATING VALUE = 1000 BTU/CF - NOMINAL PIPE SIZES SHOWN FOR SCHEDULE 40 BLACK STEEL - PRESSURE DROP OF .3" OR LESS

(USE IFGC TABLE 402.4(1))

MAXIMUM 4'-0" - PLAN FOR ACTUAL # OF PIPES

PROVIDE COOPER B-LINE C-PORT

C-SERIES SUPPORT FOR PIPES.

NUMBERED NOTES: SHEET P1

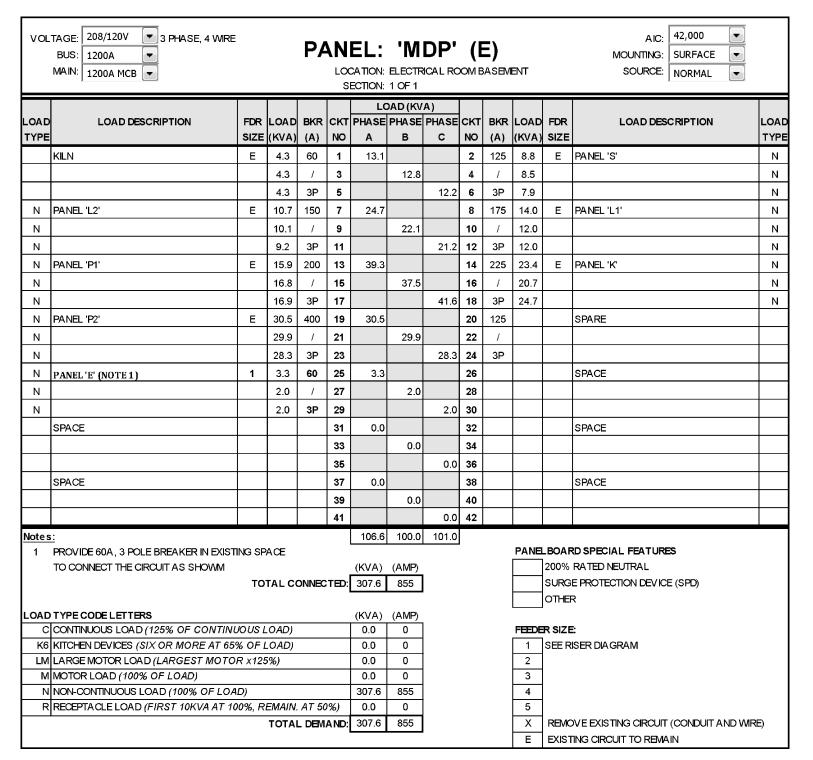
- (1) CONTRACTOR SHALL ARRANGE FOR WASHINGTON GAS TO REPLACE THE GAS METER AND CONVERT EXISTING LOW PRESSURE SERVICE TO A 2 PSI SERVICE TO PROVIDE DUAL PRESSURES DOWNSTREAM OF THE METER. CONTRACTOR SHALL RECONFIGURE THE PIPING AS REQUIRED TO PROVIDE A NEW LOW PRESSURE REGULATOR FOR THE EXISTING LOW PRESSURE SERVICE. THE GENERATOR SHALL BE PROVIDED WITH 2 PSI.
- (2) REMOVE PORTION OF GAS PIPING, VALVES, ETC. AS SHOWN TO ACCOMMODATE NEW REGULATOR AND 2 PSI SERVICE.
- 3 PROVIDE 2 PSI GAS PIPING FROM THE TAP TO THE NEW GENERATOR. PIPING SHOWN OFFSET FOR CLARITY. INSTALL PIPING ON EXTERIOR WALL.
- 4 PROVIDE 2 PSI TO LOW PRESSURE (7"-11" WC) REGULATOR AT GENERATOR. (5) PROVIDE TEE FITTING WITH ONE OPENING CAPPED OR PLUGGED FOR CONNECTION OF PRESSURE MEASURING INSTRUMENT.
- (6) INSTALL REGULATOR AND TEE FITTINGS OUTSIDE THE GENERATOR ENCLOSURE.
- (7) INSTALL STRAINER AND PRESSURE SWITCH PROVIDED BY GENERATOR VENDOR. CONNECT PRESSURE SWITCH TO GENERATOR CONTROL SYSTEM.
- (8) PROVIDE PENETRATION THROUGH SIDE OF GENERATOR ENCLOSURE FOR GAS PIPING. COORDINATE EXACT LOCATION IN THE FIELD. PROVIDE GROMMET AROUND PIPING AT THE PENETRATION.

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STAND Ы

JOB#13-068



	BUS: 400A MAIN: MLO			P <i>F</i>	LO	CATION: ECTION:	ELECTR	2 SE RICAL RO			` '		MOUNTING: SURFACE SOURCE: NORMAL	
OAD	LOAD DESCRIPTION		LOAD (KVA)		CKT NO	PHASE A	DAD (KV PHASE B		CKT NO		LOAD (KVA)		LOAD DESCRIPTION	LO TY
М	OUTDOOR HAF-5 (12A)	Е	1.5	30	1	3.5			2	40	2.0	Е	OUTDOOR HAF-13 (17.1A)	N
М			1.5	1	3		3.5		4	1	2.0			N
М			1.5	3P	5			3.5	6	3P	2.0			ľ
М	OUTDOOR HAF-14 (20.9A)	E	2.5	40	7	5.0			8	40	2.5	E	OUTDOOR HAF-15 (20.9A)	N
М	· · · ·		2.5	/	9		5.0		10	1	2.5			ľ
М			2.5	3P	11			5.0	12	3P	2.5			ı
	MUA-1 (3HP)	E	1.2	20	13	1.8			14	20	0.6	E	SUMP PUMP	ı
M	10.5, (0.11)	 	1.2	/	15	1.0	1.8		16	/	0.6			·
M			1.2	, 3Р	17		1.0	1.8		3P	0.6			·
	BASEBOARD HEATER	E	2.5	40	19	2.5		1.0	20	5	0.0		SPACE	+ '
	BASEBOARD HEATER	-	2.5	/2P	21	2.5	2.5		22				SPACE	-
N	EOLINEE IN PURIO (OLIF)	F			 		2.5	4.0				E		٠.
	FOUNTAIN PUMP (3HP)	┝╘	1.2	30	23	4.0		1.9		20	0.7		FOUNTAIN FILTER PUMP	1
М			1.2	/	25	1.9			26	/2P	0.7			ı
М			1.2	3P	27		1.2		28	20			SPARE	-
					29			0.0	30	20			SPARE	
lotes 1	<u>:</u>					14.7	14.0	12.2			DANE	BOA F	RD SPECIAL FEATURES	
•						(KVA)	(AMP)						RATED NEUTRAL	
		TO	TAL C	ONNEC	TED:		114						E PROTECTION DEVICE (SPD)	
								l				OTHER	, ,	
.OAD	TYPE CODE LETTERS					(KVA)	(AMP)							
С	CONTINUOUS LOAD (125% OF CONTIN	UO US L	.OAD)			0.0	0				FEEDE	R SIZE	<u> </u>	
	K6 KITCHEN DEVICES (SIX OR MORE AT 65% OF LOAD)						0				1			
	M LARGE MOTOR LOAD (LARGEST MOTOR x125%)						0				2			
	MOTOR LOAD (100% OF LOAD)					35.9	100				3			
	NON-CONTINUOUS LOAD (100% OF LOAD)	,				5.0	14				4			
R	RECEPTACLE LOAD (FIRST 10KVA AT 1	00%, R				0.0	0				5			
			TOTA	LDEM	AND:	40.9	114				Х	REMO	OVE EXISTING CIRCUIT (CONDUIT AND WIR	RE)

OUTLINE OF GENERATOR — OBTAIN GENERATOR FOOT PRINT INFORMATION FROM THE FACTORY CERTIFIED OUTLINE DRAWINGS.

THICK CONCRETE

PAD w/ #5 BARS

FIRM INSITU —/ SUBGRADE OR

COMPACTED FILL

@ 12" OC, EW, TOP & BOTTOM

PROVIDE CHAIRS/SPACERS AS

BETWEEN REBAR & SUBGRADE

1 GENERATOR PAD SECTION E1 SCALE: NOT TO SCALE

REQ'D TO MAINTAIN 3" CLR

3" MIN

#5 VERTICAL REINF. BARS @12" OC.

	TAGE: 208/120V 3 PHASE, 4 WIRE BUS: 400A			PA	LO		P2 ELECTR 1 OF 2				• •		AIC: 14,000 SURFACE SOURCE: NORMAL	
LOAD TYPE	LOAD DESCRIPTION	1	LOAD (KVA)		CKT NO		DAD (KV PHASE B		CKT NO		LOAD (KVA)		LOAD DESCRIPTION	LOA
М	INDOOR HAF-1 (1/2HP)	Е	1.2	20	1	2.4			2	20	1.2	Е	INDOOR HAF-2 (1/2HP)	N
М	INDOOR HAF-3 (1/2HP)	Е	1.2	20	3		2.4		4	20	1.2	Е	INDOOR HAF-16 (1/2HP)	N
М	INDOOR HAF-15 (1/2HP)	Е	1.2	20	5			2.4	6	20	1.2	Е	INDOOR HAF-17 (1/2HP)	N
М	FANS F-4 & F-5 (1/15HP)	Е	0.8	20	7	1.3			8	20	0.5	Е	GAS FIRE WATER HEATER	N
М	FANS F-1 & F-2 (1/15HP)	Е	0.8	20	9		1.8		10	20	1.0	Е	RECIRCULATING PUMP	N
N	GEN. BATTERY CHARGER (NOTE 1)	1	1.0	20	11			2.0	12	20	1.0	Е	ICE MACHINE	N
М	OUTDOOR HAF-3 (14.0A)	Е	1.5	30	13	3.0			14	30	1.5	Е	OUTDOOR HAF-3 (14.0A)	N
м	,		1.5	/2P	15		3.0		16	/2P	1.5		, ,	
М	OUTDOOR HAF-16 (18.6A)	E	2.0	40	17			4.3	18	40	2.3	Е	OUTDOOR HAF-1 (19.6A)	N
М	,		2.0	/2P	19	4.3			20	1	2.3			N
М	OUTDOOR HAF-4 (19.6A)	E	2.3	40	21		4.6		22	3P	2.3			N
М	(,		2.3	/	23			4.8	24	40	2.5	F	OUTDOOR HAF-2 (20.9A)	LI
м			2.3	3P	25	4.8		,,,,	26	/	2.5	_	(2012)	LI
N	GEN. JACK WATER HEATER (NOTE 2)	1	1.6	30	27	1.0	4.1		28	3P	2.5			LI
N		 	1.6	/2P	29		1	2.6	30	20	1.0	1	GEN. CONTROLS (NOTE 2)	
Notes						15.8	15.9	16.1				-		<u> </u>
	: USE EXISTING 20A , 1 POLE BREAKER					10.0	10.0	10.1			PANE	_BOAF	RD SPECIAL FEATURES	
2	PROVIDE BREAKER AS SHOWN IN EXIST	NG SPA	CE			(KVA)	(AMP)					200%	RATED NEUTRAL	
		TO.	TALC	ONNEC	TED:	47.8	133					SURG	E PROTECTION DEVICE (SPD)	
												OTHE	R	
	TYPE CODE LETTERS					(KVA)	·						_	
	CONTINUOUS LOAD (125% OF CONTINU KITCHEN DEVICES (SIX OR MORE AT 65					0.0	0				1	R SIZE	=: XISER DIA GRAM	
	LARGE MOTOR LOAD (LARGEST MOTO					9.4	26				2	JLL K		
	MOTOR LOAD (100% OF LOAD)		,			34.6	96				3			
$\overline{}$	NON-CONTINUOUS LOAD (100% OF LOA	D)				5.7	16				4			
_	RECEPTACLE LOAD (FIRST 10KVA AT 10	000/ D		AT 50	10/1	0.0	0				5			

	MAIN: MLO					CATION: ECTION:		ICAL RC	OW				SOURCE: NORMAL	
OAD			LOAD (KVA)		CKT NO	PHASE A	PHASE B		CKT NO		LOAD (KVA)		LOAD DESCRIPTION	LOAD
С	EMERGENCY & NIGHT LIGHT	E	0.7	20	1	1.5			2	20	0.8	Е	EMERGENCY & NIGHT LIGHT	С
С	EMERGENCY & NIGHT LIGHT	E	1.0	20	3		2.0		4	20	1.0	Е	EMERGENCY & NIGHT LIGHT	С
N	FIRE PROTECTION SYSTEM	E	1.0	20	5			2.0	6	20	1.0	E	SECURITY SYSTEM	N
М	MOTORIZED SLIDING DOOR	E	0.8	20	7	1.8			8	20	1.0	1	FACP (NOTE1)	N
	SPARE			20	9		0.0		10	20			SPARE	
	SPARE			20	11			0.0	12	20			SPARE	
LM	JOCKEY PUMP	Е		20	13	0.0			14	20			SPARE	
LM				/	15		0.0		16	1				
LM				3P	17			0.0	18	3P				
1 USE EXISTING SPARE 20A, 1 POLE BREAKER TO CONNECT THE CIRCUIT AS SHOWN TOTAL CONNECTED:						(KVA) 7.3	(AMP)					200%	RD SPECIAL FEATURES RATED NEUTRAL E PROTECTION DEVICE (SPD)	
OAD	TYPE CODE LETTERS					(KVA)	(AMP)					OTHER		
	CONTINUOUS LOAD (125% OF CONTINU	JOUS L	OAD)			4.4	12				FEEDE	R SIZE	2	
K6 KITCHEN DEVICES (SIX OR MORE AT 65% OF LOAD)						0.0	0				1	SEE R	ISER DIA GRAM	
K6	LARGE MOTOR LOAD (LARGEST MOTO	R x125	5%)			0.0	0				2			
	MOTOR LOAD (100% OF LOAD)					0.8	2				3			
LM M	NON-CONTINUOUS LOAD (100% OF LOA					3.0	8				4			
LM M N		R RECEPTA CLE LOAD (FIRST 10KVA AT 100%, REMAIN. AT 50%)									5	DD 40	N (F EVIOTING OIDS) HT (OONE) HT AND MAD	3 D
LM M N	RECEPTA CLE LOAD (FIRST 10KVA AT 10										X	KENC	OVE EXISTING CIRCUIT (CONDUIT AND WIF	(上)
LM M N	RECEPTA CLE LOAD (FIRST 10KVA AT 10	· ·	TOTA		A ND:	8.2	23				E	EVICT	TING CIRCUIT TO REMAIN	,

	LOAD A	NALYSIS	
MONTH	YEAR	USAGE KWH	DEMAND KW
JUNE	2012	22720	60.00
JULY	2012	28480	67.20
AUGUST	2012	22240	52.00
SEPTEMBER	2012	21600	51.20
OCTOBER	2012	17840	44.80
NOVEMBER	2012	14320	43.20
DECEMBER	2012	15680	32.80
JANUARY	2013	16640	33.60
MARCH	2013	16640	33.60
APRIL	2013	16480	52.00
MAY	2013	15840	46.40
JUNE	2013	22240	59.20

TOTAL DEMAND: 49.7 | 138 |

PEAK LOAD DEMAND =
FIRE PUMP (30HP) =
GENERATOR BATTERY CHARGER JACKET WATER HEATER & CONTROLS =
TOTAL DEMAND =

- 3/4" CHAMFER TYP.

— COMPACTED FILL

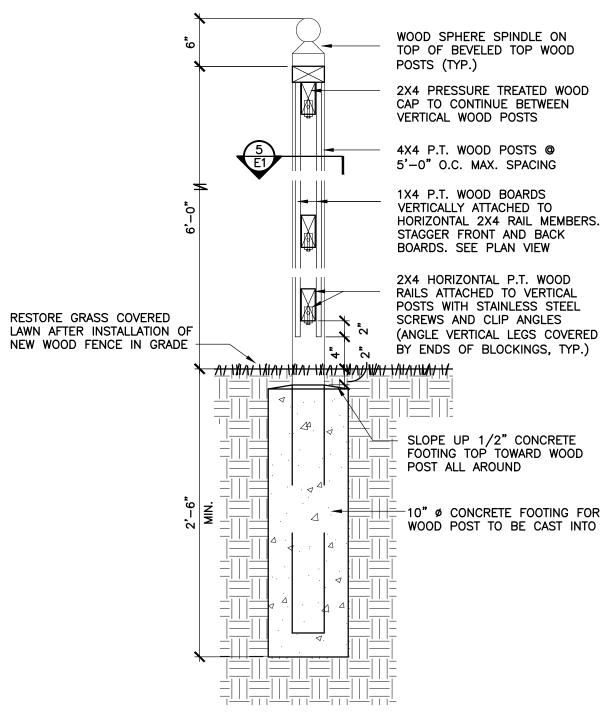
#5 L BARS @12" OC. EACH FACE

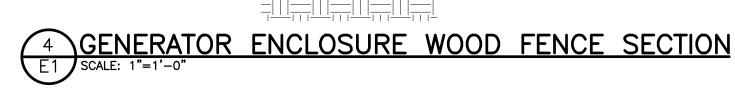
#5 HORIZONTAL BARS @16" OC.

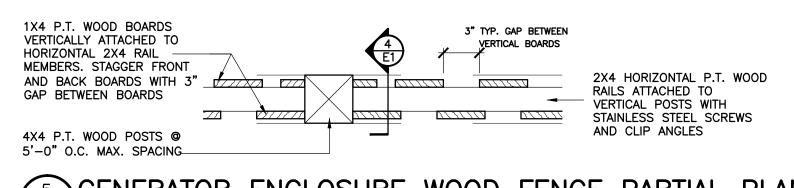
67.20 KW 187 A @208V/3PH 154 A 32 A 373 A

X REMOVE EXISTING CIRCUIT (CONDUIT AND WIRE)

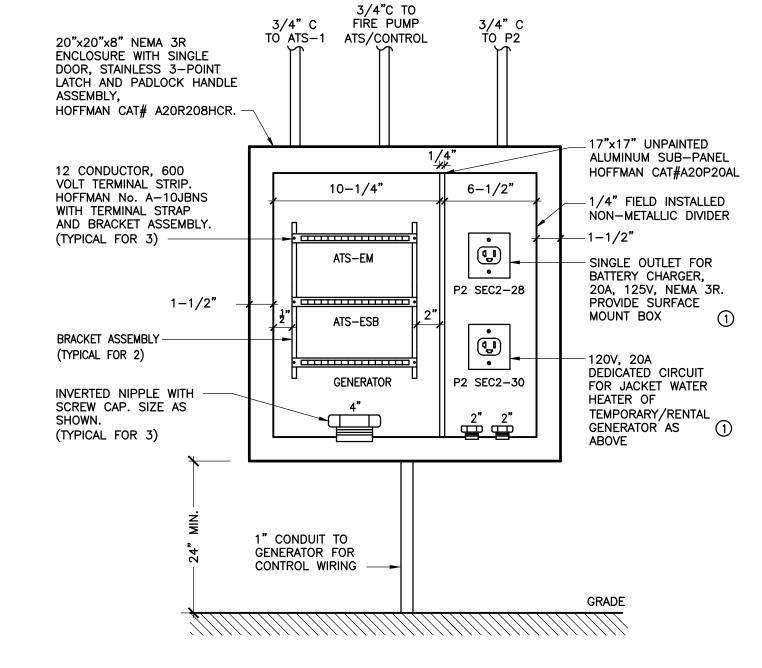
E EXISTING CIRCUIT TO REMAIN







5 GENERATOR ENCLOSURE WOOD FENCE PARTIAL PLAN VIEW



SCALE: NO SCALE

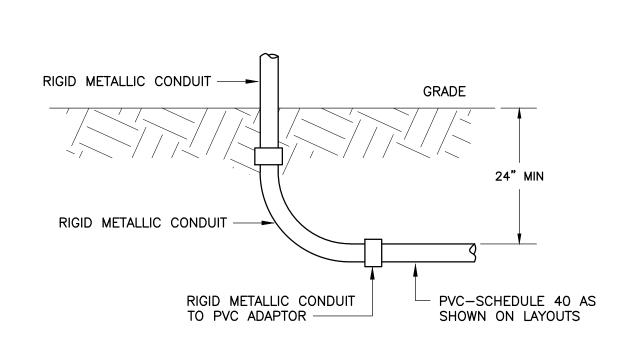
ENCLOSUIRE IN LMFC. SEE PANEL SCHEDULES.

3

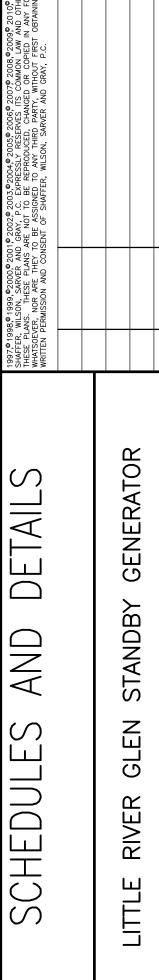
GENERATOR CONNECTION BOX

E1 SCALE: NO SCALE

1 TEMPORARY GENERATOR BATTERY CHARGER AND JACKET HEATER RECEPTACLES. PROVIDE SURFACE MOUNT BOX AND RUN POWER WIRING IN

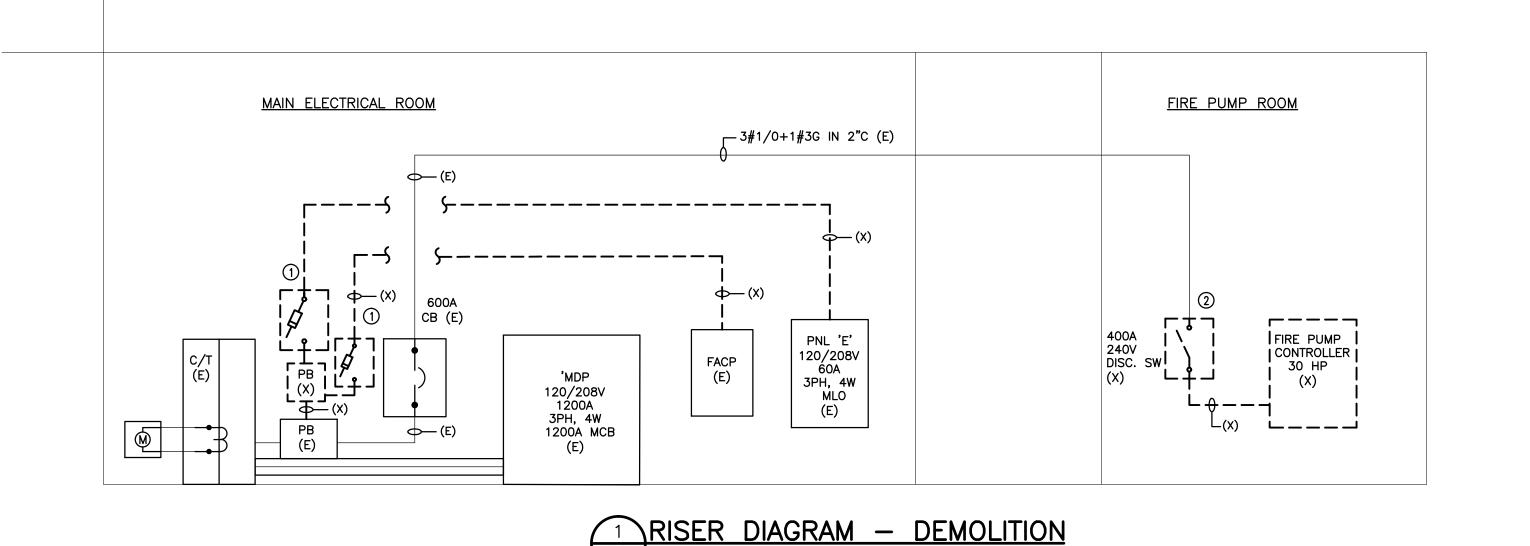


2 UNDERGROUND CONDUIT STUB-UP
E1 NOT TO SCALE



JOB#13-068

OF 3



RISER KEYED NOTES

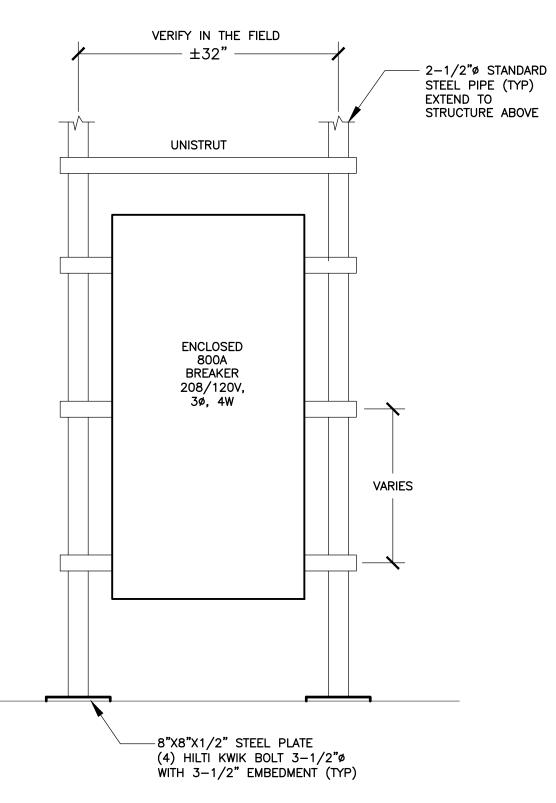
- (1) REMOVE DISCONNECT SWITCH, CONDUIT AND WIRE AS SHOWN.
- (2) REMOVE DISCONNECT SWITCH AND EXTEND EXISTING CIRCUIT TO NEW COMBINATION ATS, DISCONNECT AND CONTROLLER AS SHOWN ON PROPOSED RISER DIAGRAM, REFER TO FLOOR PLAN FOR LOCATION.
- ③ INTERCEPT EXISTING SERVICE FEEDERS AND PROVIDE 800A 208V, 3 POLE ENCLOSED BREAKER AND CONNECT AS SHOWN. REFER TO DETAIL 3/E2.
- 4 PROVIDE 60A, 3 POLE BREAKER IN EXISTING SPACE TO CONNECT EXISTING PANEL 'E' AS SHOWN
- (5) PROVIDE 800A, 3 POLE ATS AS SHOWN. REFER TO FLOOR PLAN FOR LOCATION.
- 6 PROVIDE COMBINATION ATS, DISCONNECT SWITCH AND CONTROLLER FOR 30HP, 208V, 3 PHASE FIRE PUMP MOTOR. REFER TO FLOOR PLAN FOR LOCATION.
- 7 PROVIDE 20" X 20" X 8" NEMA 3R GENERATOR CONNECTION BOX FOR CONNECTION OF GENERATOR CONTROL CIRCUITS AND RECEPTACLES. PROVIDE A SINGLE DOOR WITH STAINLESS STEEL 3 POINT LATCH AND PADLOCK HANDLE ASSEMBLY. PROVIDE A NUMBERED, SCREW DOWN WIRING STRIP IN THE ENCLOSURE FOR PARALLEL CONNECTION OF ROLL-UP AND PERMANENT GENERATOR CONTROL WIRING. RUN 8#12 THWN SEPARATE COLOR CODED CONTROL WIRES FOR EACH ATS FROM GENERATOR CONNECTION BOX TO ATS-1 AND ATS-2 IN COMMON CONDUIT. SEE DETAIL 3/E1.
- 8 PROVIDE 800A, 240V, 3 POLE, DOUBLE-THROW, CENTER OFF SWITCH IN NEMA 3R ENCLOSURE WITH INTERLOCK KIT FOR CONNECTION OF FUTURE TEMPORARY GENERATOR.
- (9) PROVIDE 200A, 240V, 3 POLE, DOUBLE-THROW, CENTER OFF SWITCH IN NEMA 3R ENCLOSURE WITH INTERLOCK KIT FOR CONNECTION OF FUTURE TEMPORARY GENERATOR. PROVIDE 2" INVERTER NIPPLE WITH SCREW CAP.
- 10 PROVIDE 2-4 INVERTED NIPPLE WITH SCREW CAP AT THE BOTTOM OF THE SWITCH FOR FUTURE CONNECTION OF TEMPORARY GENERATOR.
- (1) GENERATOR REMOTE MANUAL STOP STATION.
- (12) TO RGAP PANEL. ROUTE 1"C TO GENERATOR WITH 7#12 AND TWO SHIELDED, TWISTED PAIRS (24 AWG) BELDEN' #9413 OR AS RECOMMENDED BY THE GENERATOR MANUFACTURER. VERIFY PRIOR TO ROUGH—IN. MOUNT RGAP IN RECEPTION AREA APPROXIMATELY 150 FEET FROM GENERATOR.

DRAWING GENERAL NOTES

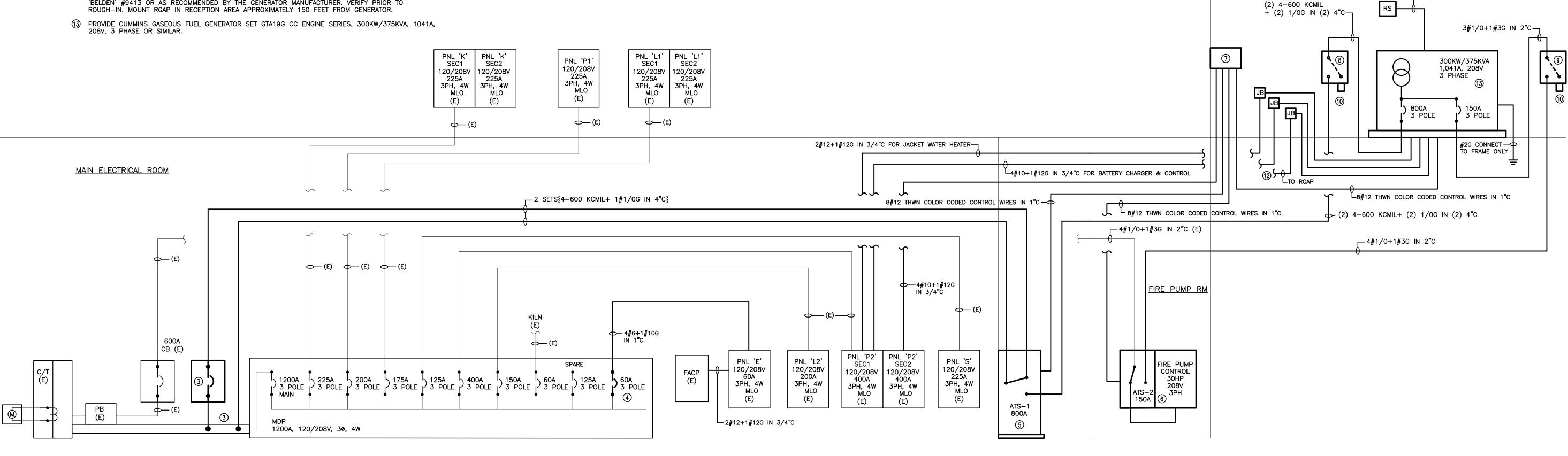
- A. FOR SYMBOLS, ELECTRICAL NOTES, ABBREVIATIONS, AND SPECIFICATIONS REFER TO DRAWINGS T1.
- B. DEVICES SHOWN WITH AN 'E' ARE EXISTING TO REMAIN. MAINTAIN CONTINUITY OF EXISTING CIRCUITS TO REMAIN. PROTECT ALL EXISTING DEVICES TO REMAIN FROM DAMAGE DURING CONSTRUCTION.
- C. CONTRACTOR MAY REUSE EXISTING, IN PLACE CONDUIT AT HIS OPTION. ALL REUSED CONDUIT MUST MEET THE SPECIFICATION FOR TYPE, USE AND INSTALLATION AND BE WARRANTED AS NEW BY THE CONTRACTOR. TYPICAL FOR ALL REFERENCES MADE TO REUSING EXISTING CONDUIT THROUGHOUT THE PROJECT.
- D. ALL OUTSIDE ELECTRICAL EQUIPMENT SHALL BE FURNISHED IN NEMA 3R RATED

2 RISER DIAGRAM - PROPOSED

E. PROVIDE REVISED TYPE WRITTEN PANELBOARD DIRECTORY CARDS AND LABELS REFLECTING ALL REMOVED AND ADDED CIRCUITS.



3 EQUIPMENT MOUNTING



GEN A STANDBY DIAG <u>₩</u> JOB#13-068

___ 2#12+1#12G IN 3/4"C

OF 3

